WHAT IS CLAIMED IS:

1. A filter formed by spinning fiber in a semi-molten state onto a mold, wherein the filter includes the mold as a filter structural member.

2. The filter according to claim 1, wherein the mold includes a filter portion forming surface for forming a filter portion for filtering a fluid, and a frame which surrounds the filter portion forming surface.

3. The filter according to claim 2, wherein a fiber protruding outside of the frame is folded in toward an inside of the frame and fixed to the frame.

4. The filter according to claim 2, wherein a flange is formed on an outer peripheral surface of the frame.

5. The filter according to claim 2, wherein the filter portion forming surface of the mold is formed with a mesh.

6. The filter according to claim 2, wherein the filter portion forming surface and the frame are formed of resin.

7. The filter according to claim 2, wherein the filter portion forming surface is welded to an inner peripheral surface of the frame.

8. The filter according to claim 1, wherein the mold and the fiber are formed of the same material.

9. The filter according to claim 1, wherein the fiber is deposited at a constant thickness onto the mold.

10. A filter comprising:

a mold; and

fiber spun in a semi-molten state onto the mold,

wherein the mold remains attached to spun fiber and functions as a structural member of the filter.

11. The filter according to claim 10, wherein the mold includes a filter portion forming surface for forming a filter portion for filtering a fluid, and a frame which surrounds the filter portion forming surface.

12. A method for manufacturing a filter comprising the steps of:

spinning a fiber in a semi-molten state onto a mold; and

maintaining the mold attached to the spun fiber such that the mold functions as a filter structural member of the filter.

13. The method according to claim 12, wherein the mold includes a filter portion on which the fiber is spun, and a frame surrounding the filter portion.

14. The method according to claim 13, further comprising the steps of:

protruding the fiber outside of the frame;

folding the protruding fiber toward an inside of the frame; and

fixing the protruding fiber to the frame.

15. The method according to claim 13, wherein a flange is formed on an outer peripheral surface of the frame.

16. The method according to claim 13, wherein the filter portion and the frame are formed of resin.

17. The method according to claim 13, wherein the filter portion is welded to an inner peripheral surface of the frame.

18. The method according to claim 12, wherein the mold and the fiber are formed of the same material.

19. The method according to claim 12, wherein the fiber is deposited at a constant thickness onto the mold.

20. The method according to claim 12, wherein the mold is heated prior to spinning the fiber in a semi-molten state onto the mold.